

Please delete the paragraph on page 13, line 3 (i.e., Biomolecules such as heparin, fibrin, fibrinogen, cellulose, starch, and collagen represent can be used to coat, or alternatively, can be embedded into the polymer) as it is duplicative.

In the Claims:

Claims 1 and 9 have been amended. Claims 12-20 have been canceled. New Claims 21-26 have been added.

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1. (Amended) An implantable prosthesis, comprising:
a body structure having an outer surface for contacting a surface of a vascular lumen; a plurality of grooves disposed on said outer surface of said body structure; and filament portions having a string-like structure and containing a therapeutic substance disposed in said plurality of grooves.

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9. (Amended) The implantable prosthesis of Claim 1, wherein said therapeutic substance comprises a substance selected from the group consisting of antineoplastic, antiplatelet, anticoagulant, fibrinolytic, antimetabolic, thrombin inhibitor, antiinflammatory, and antiproliferative agents.

Please add the following new claims:

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--21. The implantable prosthesis of Claim 1, wherein said body structure is a radially expandable tubular structure.

22. The implantable prosthesis of Claim 1, wherein said body structure includes arm elements joined by connected elements.

23. The implantable prosthesis of Claim 1, additionally including an adhesive bonding said string-like filament portions in said grooves.

24. The implantable prosthesis of Claim 1, wherein the thickness of said string-like filament portions is generally equivalent to the width of said grooves so as to provide a tight fit between said string-like filament portions and said grooves.

25. The implantable prosthesis of Claim 1, wherein the thickness of said string-like filament portions is generally equivalent to the depth of said grooves such that said string-like filament portions do not protrude out from said grooves.

26. A stent comprising

a radially expandable body, a first channel located in one section of the outer surface of the radially expandable body, and a second channel located in another section of the outer surface of the radially expandable body, wherein the volume of the first chamber is larger than the volume of the second chamber.--

REMARKS

This is a response to the Office Action dated December 20, 2001. Reconsideration of the application and allowance of the claims is hereby respectfully requested. Claims 1-11 are pending. Claims 12-20 have been canceled. Claims 21-26 have been added.

1. Applicant affirms the election, without traverse, of Group I, Claims 1-12 and 20.
2. The title of the invention has been amended to be made more descriptive. The title indicates the invention is an implantable prosthesis and no longer specifies a method.